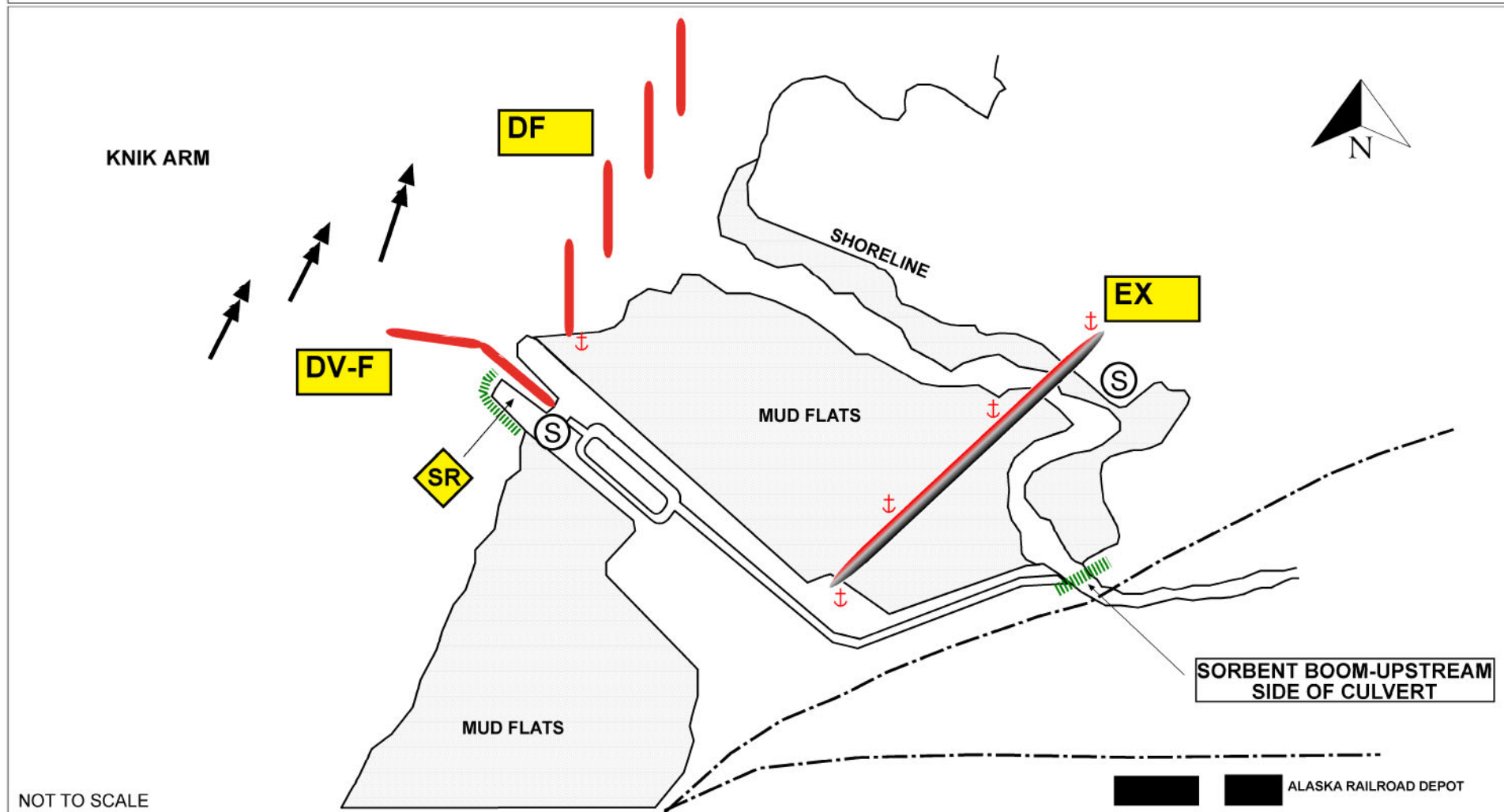


SHIP CREEK CONTAINMENT BOOM DEPLOYMENT-1

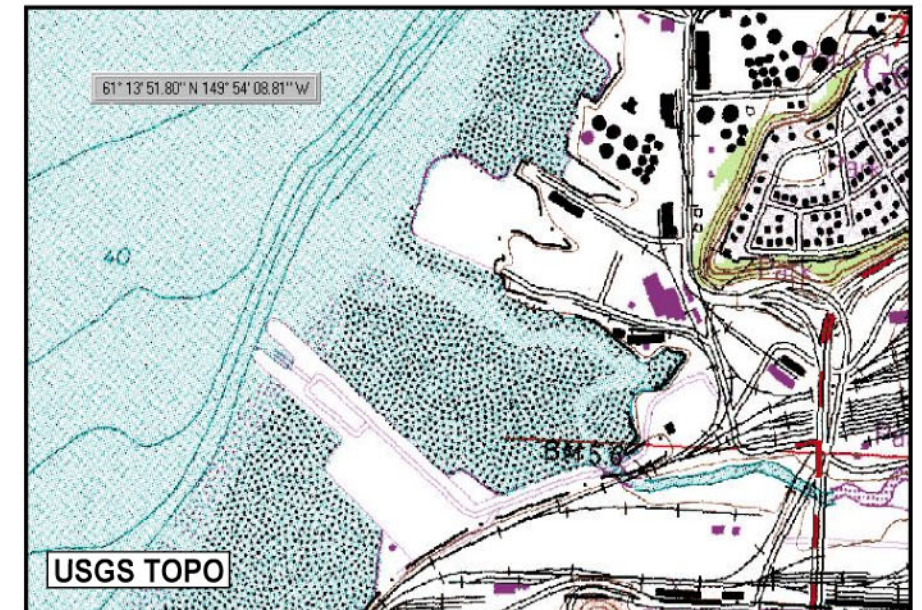


LEGEND

DF	Deflection Booming		Open-water Boom
DV-F	Diversion Booming, Fived		Shore-seal Boom
EX	Exclusion Booming		Snare Boom
SR	Shoreside Recovery		Buildings
S	Staging Area		Railway Tracks
	Anchor		Direction of Current

61° 13' 38.36"N
149° 54' 03.31"W
ANCH A-8 NW
(1:25,000)

NCI-02-01 SHIP CREEK



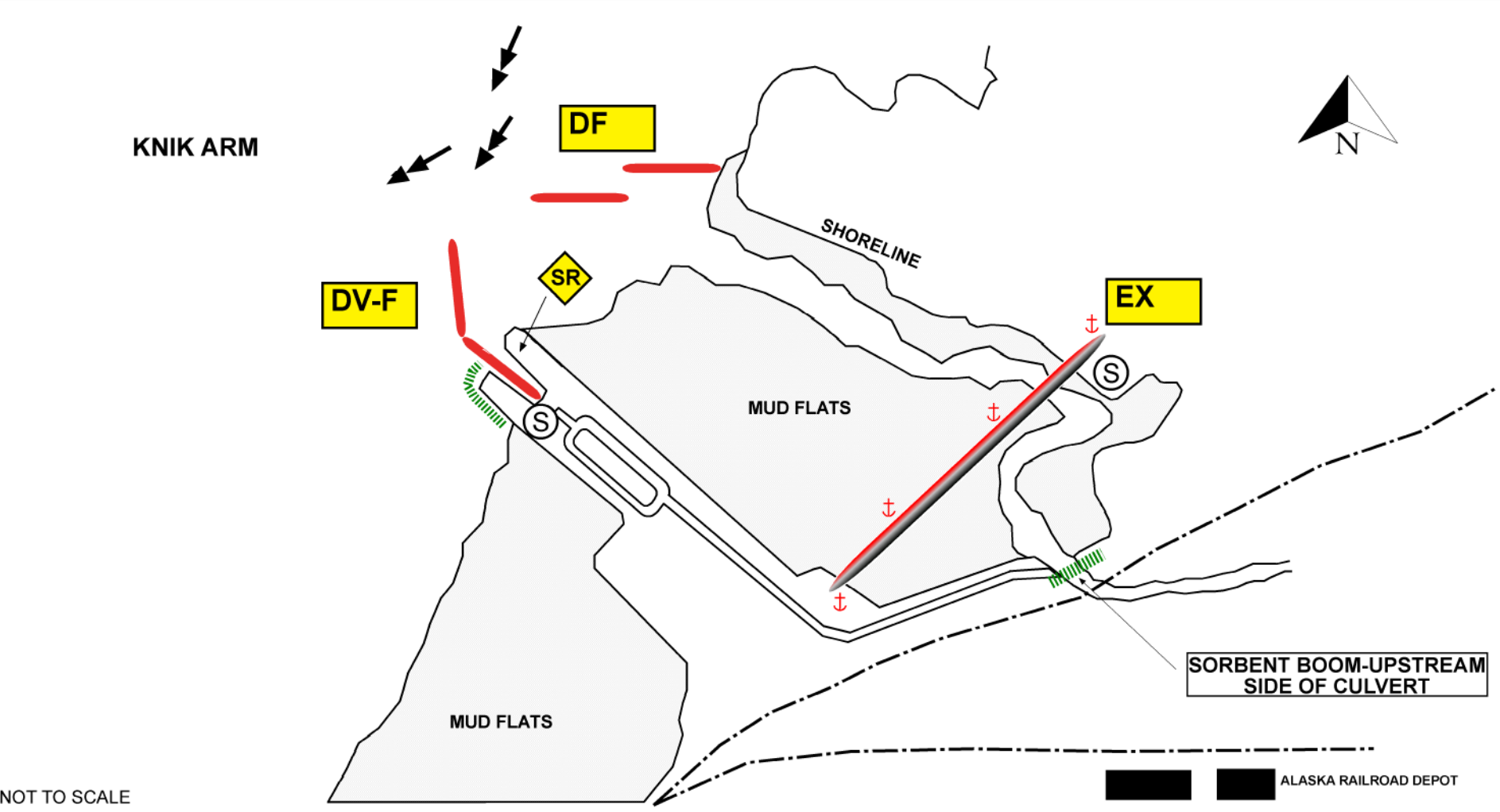
NCI-02-01 Nearshore Freeoil Recovery and Deflection Booming

FLOOD TIDE - MODERATE AND HIGH WEATHER/TIDES

- Change direction of cascade legs prior to low slack.
- Set straight legs during times that skiff can work.

December 2001

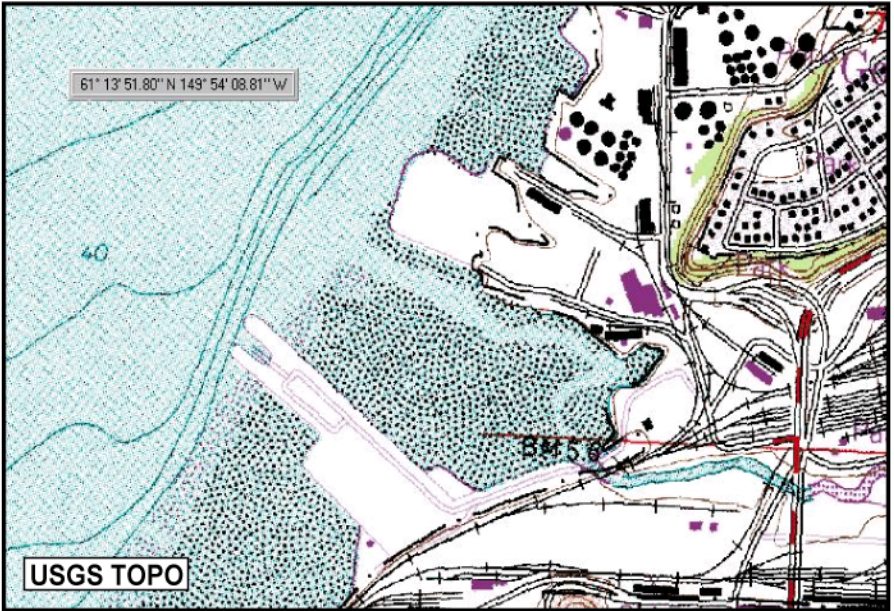
SHIP CREEK CONTAINMENT BOOM DEPLOYMENT-2



L E G E N D			
DF	Deflection Booming		Open-water Boom
DV-F	Diversion Booming, Fixed		Shore-seal Boom
EX	Exclusion Booming		Snare Boom
SR	Shoreside Recovery		BUILDINGS
S	Staging Area		RAILWAY TRACKS
⚓	Anchor		DIRECTION OF CURRENT

61° 13' 38.36"N
149° 54' 03.31"W
ANCH A-8 NW
(1:25,000)

NCI-02-01 SHIP CREEK



NCI-02-01 Nearshore Freeoil Recovery and Deflection Booming

- EBB TIDE - MODERATE AND HIGH WEATHER/TIDES**
- Set at high slack
 - Establish near high slack
 - High tidal ranges
 - Opposing wind/tide
 - Use in more severe conditions

December 2001

ID	Location and Description	Response Strategy	Implementation	Response Resources	Staging Area	Site Access	Resources Protected (months)	Special Considerations
NCI-02-01	<p>Ship Creek</p> <p>Nearshore waters in the general area of: Lat. 61° 13.38 N Lon. 149° 54.03 W</p> <ul style="list-style-type: none">• Located between the Anchorage Small Boat Dock and the North Star Terminal.• Features include exposed tidal mudflats with high tides of 32'. Tidal mudflats extend approximately 1/4 mile at low tide.• Creek channel: average depth at mouth is 20'-25' at high tide and 1'- to 2' at low tide; well defined channel entrance; moderate currents.• Small Boat Launch facility at the mouth of the creek.	<ul style="list-style-type: none">• Prevent oil from contaminating Ship Creek.• Deflect oil from the mouth of the creek, using boom in a cascaded fashion.• Prevent oil from reaching the railroad trestle using exclusion boom across the creek at the powerpoles.• Nearshore Task Force to recover product on waters. Depths of about 76'.• Stage overpack drums or a lined vehicle for temporary storage of used sorbent.• Use drip cloth on stream bank where spent sorbents are pulled out to prevent further contamination.• Use passive wildlife hazing due to nearby residences.	<ul style="list-style-type: none">• Deploy 4 or 5 segments of 100' Inland River Boom in a cascaded fashion at the mouth of the creek to deflect the spill. This will require 8-12 25 lb. anchors.• In high-energy conditions (high winds, currents) deploy boom and anchors 1 hour before and after slack water to provide best conditions to lock in anchors.• Deploy 500' of exclusion boom across the creek at the powerpoles, using the power pole cribs to anchor the boom, instead of the 25-lb anchors.• Deploy 50' sorbent boom using 2 25-lb anchors, upstream of the culvert at the small-boat harbor access road.• Deploy 100' of sorbent boom along the north west edge of small-boat launch using 2 25-lb anchors.• Deploy 100' of directional boom at boat ramp using 2 25-lb anchors.• Change direction of cascade and directional booms as the tide changes.• Stage skimmer to collect oil in boat ramp basin.	<p>Equipment</p> <ul style="list-style-type: none">• 1000' - 1500' inland boom• 12 25-lb anchors• Land anchors (8 poles/1-2 anchors buried, tied around big boulder)• Sorbent boom 200'• Overpack drums• Drip cloths• Absorbent pads 10 bundles• 1 wildlife hazing kit• 1 skimmer system including temporary storage <p>Support</p> <ul style="list-style-type: none">• 2 skiffs• 1 Shelter• Hip waders and PPE for personnel• Marine Radio or cell phone <p>Personnel/Shift</p> <ul style="list-style-type: none">• 8 to Deploy/Set up• 6 to Tend/Maintain	<ul style="list-style-type: none">• Small Boat Launch at the mouth of the creek. Contact Port of Anchorage at (907) 343-6202.• North Star Terminal. Contact North Star Maritime Agencies at 907-272-7537• Port of Anchorage Dock	<ul style="list-style-type: none">• Call the Port of Anchorage @ 343-6202 Manager of Ops and Maintenance. After business hours call security at 343-6244.• Contact Parks & Recreation for land use permits at phone number 907-343-4355. (24 hour phone number 907-522-1122, City Property and Facility Management)• An ADF&G Title 16 Permit will be required to work inside the creek. Contact the Environmental Unit for permit.	<ul style="list-style-type: none">• Tidal Marshes (all year)• Salmon migration and spawning(May-Oct)• Waterfowl and shore bird concentrations near the mouth of the creek (April-Oct)• Beluga in nearshore waters (May-Oct)• Popular fishing spot for anglers during the salmon runs in the Ship Creek all summer (May-Sept)• Boat ramps used by private individuals when it is ice-free.	<ul style="list-style-type: none">• As the circumstances of the emergency allow, report any cultural resources found during operations to the FOSC Historic Properties Specialist.• If site conditions require closing the area to public access, then a plan will need to be developed to reroute traffic from this section of the area.• Take care not to work or walk on oiled shoreline to avoid driving oil into the soils